

CLAIMS

What is claimed is:

1. A device comprising:
a via comprising alternating layers of dissimilar dielectric materials defining vertical corrugations in a wall of the via; and
a capacitor formed over the alternating layers of the via to achieve a corrugated side wall profile within the capacitor.
2. The device of claim 1, wherein the alternating layers of dielectric comprise alternating layers of silicon oxide and silicon nitride.
3. The device of claim 1, wherein the alternating layers of metal material comprise a metal and a metal nitride system.
4. The device of claim 3, wherein the alternating layers of metal material comprise a metal and a metal nitride system.
5. The device of claim 4, wherein the metal comprises one of tantalum, titanium and tungsten.